

ductruong

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 11:14:15 ON 22 SEP 2008

=> file pnttext

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'EPFULL' ENTERED AT 11:14:34 ON 22 SEP 2008

COPYRIGHT (C) 2008 European Patent Office / FIZ Karlsruhe

FILE 'FRFULL' ENTERED AT 11:14:34 ON 22 SEP 2008

COPYRIGHT (C) 2008 Univentio

FILE 'GBFULL' ENTERED AT 11:14:34 ON 22 SEP 2008

COPYRIGHT (C) 2008 Univentio

FILE 'PATDPFULL' ENTERED AT 11:14:34 ON 22 SEP 2008

COPYRIGHT (C) 2008 DPMA

FILE 'PCTFULL' ENTERED AT 11:14:34 ON 22 SEP 2008

COPYRIGHT (C) 2008 Univentio

FILE 'RDISCLOSURE' ENTERED AT 11:14:34 ON 22 SEP 2008

COPYRIGHT (C) 2008 Kenneth Mason Publications Ltd.

FILE 'USPATFULL' ENTERED AT 11:14:34 ON 22 SEP 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 11:14:34 ON 22 SEP 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 11:14:34 ON 22 SEP 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s dendritic polymer# and electronic device#

5 FILES SEARCHED...

L1 93 DENDRITIC POLYMER# AND ELECTRONIC DEVICE#

=> s l1 and branch portion#

8 FILES SEARCHED...

L2 4 L1 AND BRANCH PORTION#

=> s l2 and divalent and trivalent

L3 4 L2 AND DIVALENT AND TRIVALENT

=> d l3 1-4

L3 ANSWER 1 OF 4 EPFULL COPYRIGHT 2008 EPO/FIZ KA on STN

AN 2003:78492 EPFULL

DUPD 20040331 DUPW 200414

TIEN DENDRITIC POLYMER AND ELECTRONIC

DEVICE ELEMENT EMPLOYING THE POLYMER.

TIFR POLYMERE DENDRITIQUE ET ELEMENT DE DISPOSITIF ELECTRONIQUE FAISANT APPEL

AUDIT POLYMERE.

IN YAMAHARA, Motohiro, 3-1344-7, Gakuennaka, Nara-shi, Nara 631-0035, JP;

OBARA, Satoru c/o Photosensitive Mat. Res. Ctr., TOYO GOSEI CO., LTD.

ductruong

2-1, Wakahagi 4-chome, Inba-muraInba-gun, Chiba 270-1609, JP;
TADA, Kentaro c/o Photosensitive Mat. Res. Ctr., ToYO GOSEI CO., LTD.
2-1, Wakahagi 4-chome, Inba-muraInba-gun, Chiba 270-1609, JP
PA SHARP KABUSHIKI KAISHA, 22-22 Nagaïke-cho Abeno-ku, Osaka 545-8522, JP;
Toyo Gosei Kogyo Co., Ltd., 1603, Kamimiyoden, Ichikawa-shi, Chiba 273,
JP
PAN 260716; 866931
DT Patent
LAF English
LA English
LAP English
TL English; French
PIT WOA2 International application published without search report
PI WO 2004009680 A2 20040129
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE
SI SK TR
EXTENSION STATES: AL LT LV MK
AI EP 2003-765289 A 20030714
WO 2003-JP8899 A 20030714
PRAI JP 2002-210210 A 20020718
IC.VER 7
ICM C08G083-00
AN 2003:78492 EPFULL ED 20050615 UP 20060217
DUPD 20060111 DUPW 200602
TIEN DENDRITIC POLYMER AND ELECTRONIC
DEVICE ELEMENT EMPLOYING THE POLYMER.
TIFR POLYMERE DENDRITIQUE ET ELEMENT DE DISPOSITIF ELECTRONIQUE FAISANT APPEL
AUDIT POLYMERE.
TIDE DENDRITISCHES POLYMER UND ELEMENT FUEr ELEKTRONISCHES BAUTEIL, BEI DEM
DAS POLYMER VERWENDET WIRD.
IN YAMAHARA, Motohiro, 3-1344-7, Gakuennaka, Nara-shi, Nara 631-0035, JP;
OBARA, Satoru c/o Photosensitive Mat. Res. Ctr., TOYO GOSEI CO., LTD.
2-1, Wakahagi 4-chome, Inba-muraInba-gun, Chiba 270-1609, JP;
TADA, Kentaro c/o Photosensitive Mat. Res. Ctr., ToYO GOSEI CO., LTD.
2-1, Wakahagi 4-chome, Inba-muraInba-gun, Chiba 270-1609, JP
PA SHARP KABUSHIKI KAISHA, 22-22 Nagaïke-cho Abeno-ku, Osaka 545-8522, JP;
Toyo Gosei Co., Ltd., 1603, Kamiyoden, Ichikawa-shi, Chiba 272-0012, JP
PAN 260716; 4709410
AG Strehl Schuebel-Hopf & Partner, Maximilianstrasse 54, 80538 Muenchen, DE
AGN 100941
DT Patent
LAF English
LA English
LAP English
TL German; English; French
PIT EPA2 Application published without search report
PI EP 1539864 A2 20050615
WO 2004009680 20040129
DS DE GB NL
AI EP 2003-765289 A 20030714
WO 2003-JP8899 A 20030714
PRAI JP 2002-210210 A 20020718
IPCI C08G0083-00 [I,A]
C08G0083-00 [I,C*]
AN 2003:78492 EPFULL ED 20060920 UP 20070829
DUPD 20070829 DUPW 200735
TIEN DENDRITIC POLYMER AND ELECTRONIC

ductruong

DEVICE ELEMENT EMPLOYING THE POLYMER.

TIFR POLYMERE DENDRITIQUE ET ELEMENT DE DISPOSITIF ELECTRONIQUE FAISANT APPEL
AUDIT POLYMERE.

TIDE DENDRITISCHES POLYMER UND ELEMENT FUEr ELEKTRONISCHES BAUTEIL, BEI DEM
DAS POLYMER VERWENDET WIRD.

IN YAMAHARA, Motohiro, 3-1344-7, Gakuennaka, Nara-shi, Nara 631-0035, JP;
OBARA, Satoru/c/o Photosensitive Mat. Res. Ctr., TOYO GOSEI CO., LTD.2-1,
Wakahagi 4-chome, Inba-muraInba-gun, Chiba 270-1609, JP;
TADA, Kentaro/c/o Photosensitive Mat. Res. Ctr., TOYO GOSEI CO., LTD.2-1,
Wakahagi 4-chome, Inba-muraInba-gun, Chiba 270-1609, JP

PA SHARP KABUSHIKI KAISHA, 22-22 Nagaïke-cho Abeno-ku, Osaka 545-8522, JP;
Toyo Gosei Co., Ltd., 1603, Kamiyoden, Ichikawa-shi, Chiba 272-0012, JP
260716; 4709410

PAN Strehl Schuebel-Hopf & Partner, Maximilianstrasse 54, 80538 Muenchen, DE

AG 100941

AGN Patent

DT English

LAF English

LA English

LAP English

TL German; English; French

PIT EPB1 Granted patent

PI EP 1539864 B1 20060920
WO 2004009680 20040129

DS DE GB NL

AI EP 2003-765289 A 20030714
WO 2003-JP8899 A 20030714

PRAI JP 2002-210210 A 20020718

REN PATENT ABSTRACTS OF JAPAN vol. 1997, no. 07, 31 July 1997 (1997-07-31) &
JP 09 059355 A (AGENCY OF IND SCIENCE &TECHNOL; STANLEY ELECTRIC CO
LTD), 4 March 1997 (1997-03-04) cited in the application;
LUO J ET AL: "Synthesis, Light Emission, and Optical Limiting of
Hyperbranched Poly[Phenylene-alt-(2,5-Thienylene)s]" POLYMER PREPRINTS,
vol. 42, no. 2, 2001, pages 527-528, XP009020396;
ESFAND R ET AL: "POLY(AMIDOAMINE) (PAMAM) DENDRIMERS: FROM
BIOMIMICRY TO DRUG DELIVRY AND BIOMEDICAL APPLICATIONS" DRUG DISCOVERY
TODAY, ELSEVIER SCIENCE LTD, GB, vol. 6, no. 8, April 2001 (2001-04),
pages 427-436, XP001029831 ISSN: 1359-6446

REP WO 9921935 A

IPCI C08G0083-00 [I,A]
C08G0083-00 [I,C*]

L3 ANSWER 2 OF 4 PCTFULL COPYRIGHT 2008 Univentio on STN

AN 2004018539 PCTFULL ED 20040310 EW 200410

TIEN DENDRITIC POLYMER AND ELECTRONIC
DEVICE ELEMENT EMPLOYING THE POLYMER

TIFR DENDRIMERE ET ELEMENT DE DISPOSITIF ELECTRONIQUE UTILISANT UN TEL
POLYMERE

IN YAMAHARA, Motohiro, 3-1344-7, Gakuennaka, Nara-shi, Nara 631-0035, JP
[JP, JP];
OBARA, Satoru, c/o Photosensitive Materials Research Center,, TOYO GOSEI
CO., LTD., 2-1, Wakahagi 4-chome, Inba-mura, Inba-gun, Chiba 270-1609,
JP [JP, JP];
TADA, Kentaro, c/o Photosensitive Materials Research Center,, TOYO GOSEI
CO., LTD., 2-1, Wakahagi 4-chome, Inba-mura, Inba-gun, Chiba 270-1609,
JP [JP, JP]

PA SHARP KABUSHIKI KAISHA, 22-22, Nagaïke-cho, Abeno-ku, Osaka-shi, Osaka
545-8522, JP [JP, JP], for all designates States except US;
TOYO GOSEI CO.,LTD., 1603, Kamiyoden, Ichikawa-shi, Chiba 272-0012, JP
[JP, JP], for all designates States except US;

ductruong

YAMAHARA, Motohiro, 3-1344-7, Gakuennaka, Nara-shi, Nara 631-0035, JP
[JP, JP], for US only;
OBARA, Satoru, c/o Photosensitive Materials Research Center,, TOYO GOSEI
CO., LTD., 2-1, Wakahagi 4-chome, Inba-mura, Inba-gun, Chiba 270-1609,
JP [JP, JP], for US only;
TADA, Kentaro, c/o Photosensitive Materials Research Center,, TOYO GOSEI
CO., LTD., 2-1, Wakahagi 4-chome, Inba-mura, Inba-gun, Chiba 270-1609,
JP [JP, JP], for US only
AG KURIHARA, Hiroyuki, Kurihara International Patent Office, Iwasaki Bldg.
7F, 3-15 Hiroo 1-chome, Shibuya-ku, Tokyo 150-0012, JP
LAF English
LA English
DT Patent
PI WO 2004018539 A1 20040304
DS W: CN KR SG US
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
NL PT RO SE SI SK TR
PRAI JP 2002-2002-245773 20020826
AI WO 2003-JP10618 A 20030822
ICM C08G061-02
ICS C08G083-00; H01L051-30
L3 ANSWER 3 OF 4 PCTFULL COPYRIGHT 2008 Univentio on STN
AN 2004009680 PCTFULL ED 20040204 EW 200405
TIEN DENDRITIC POLYMER AND ELECTRONIC
DEVICE ELEMENT EMPLOYING THE POLYMER
TIFR POLYMERE DENDRITIQUE ET ELEMENT DE DISPOSITIF ELECTRONIQUE FAISANT APPEL
AUDIT POLYMERE
IN YAMAHARA, Motohiro, 3-1344-7, Gakuennaka, Nara-shi, Nara 631-0035, JP
[JP, JP];
OBARA, Satoru, c/o Photosensitive Materials Research Center,, TOYO GOSEI
CO., LTD., 2-1, Wakahagi 4-chome, Inba-mura, Inba-gun, Chiba 270-1609,
JP [JP, JP];
TADA, Kentaro, c/o Photosensitive Materials Research Center,, TOYO GOSEI
CO., LTD., 2-1, Wakahagi 4-chome, Inba-mura, Inba-gun, Chiba 270-1609,
JP [JP, JP]
PA SHARP KABUSHIKI KAISHA, 22-22, Nagaike-cho, Abeno-ku, Osaka-shi, Osaka
545-8522, JP [JP, JP], for all designates States except US;
TOYO GOSEI CO.,LTD., 1603, Kamimyoden, Ichikawa-shi, Chiba 272-0012, JP
[JP, JP], for all designates States except US;
YAMAHARA, Motohiro, 3-1344-7, Gakuennaka, Nara-shi, Nara 631-0035, JP
[JP, JP], for US only;
OBARA, Satoru, c/o Photosensitive Materials Research Center,, TOYO GOSEI
CO., LTD., 2-1, Wakahagi 4-chome, Inba-mura, Inba-gun, Chiba 270-1609,
JP [JP, JP], for US only;
TADA, Kentaro, c/o Photosensitive Materials Research Center,, TOYO GOSEI
CO., LTD., 2-1, Wakahagi 4-chome, Inba-mura, Inba-gun, Chiba 270-1609,
JP [JP, JP], for US only
AG KURIHARA, Hiroyuki, Kurihara International Patent Office, Iwasaki Bldg.
7F, 3-15, Hiroo 1-chome, Shibuya-ku, Tokyo 150-0012, JP
LAF English
LA English
DT Patent
PI WO 2004009680 A2 20040129
DS W: CN KR SG US
RW (EPO): AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC
NL PT RO SE SI SK TR
PRAI JP 2002-2002-210210 20020718
AI WO 2003-JP8899 A 20030714

ductruong

ICM C08G083-00

L3 ANSWER 4 OF 4 USPATFULL on STN

AN 2006:10760 USPATFULL

TI Dendritic polymer and electronic
device element employing the polymer

IN Yamahara, Motohiro, Nara-shi, JAPAN

Obara, Satoru, Inba-gun, JAPAN

Tada, Kentaro, Inba-gun, JAPAN

PI US 20060009614 A1 20060112

AI US 2003-521843 A1 20030714 (10)

WO 2003-JP8899 20030714

20050811 PCT 371 date

PRAI JP 2002-210210 20020718

DT Utility

FS APPLICATION

LN.CNT 1556

INCL INCLM: 528/380.000

INCLS: 428/411.100; 427/058.000

NCL INCLM: 528/380.000

NCLS: 427/058.000; 428/411.100

IC IPCI C08G0075-00 [I,A]; B05D0005-12 [I,A]; B32B0027-00 [I,A]

IPCR C08G0075-00 [I,A]; B05D0005-12 [I,C]; B05D0005-12 [I,A];

B32B0027-00 [I,C]; B32B0027-00 [I,A]; C08G0061-00 [I,C*];

C08G0061-12 [I,A]; C08G0075-00 [I,C]; C08G0083-00 [I,C*];

C08G0083-00 [I,A]; H01B0001-12 [I,C*]; H01B0001-12 [I,A];

H01L0051-00 [I,C*]; H01L0051-00 [I,A]; H01L0051-05 [N,C*];

H01L0051-05 [N,A]; H01L0051-50 [N,C*]; H01L0051-50 [N,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>